



PTO/SB/08A (07-05)  
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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

### Complete if Known

Application Number	10/580,769
Filing Date	May 26, 2006
First Named Inventor	Christopher Iain Grainger
Art Unit	1751
Examiner Name	Not yet assigned
Attorney Docket Number	GJE-1080

Sheet 1 of 3

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	U1	US-			
	U2	US-			
	U3	US-			
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	U5	US-			
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	U7	US-			
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	U9	US-			
	U10	US-			
	U11	US-			
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	U13	US-			

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document <sup>1</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T*
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
/NK/	F1	GB 2 395 900 A	06-09-2004	Elan Drug Delivery Limited	All	
↓	F2	WO 96/03978 A1	02-15-1996	Quadrant Holdings Cambridge Limited	All	
↓	F3	WO 99/55362 A1	11-04-1999	Genentech, Inc.	All	
↓	F4	WO 00/00215 A1	01-06-2000	Alliance Pharmaceutical Corp.	All	
↓	F5	WO 02/32398 A2	04-25-2002	Massachusetts Institute of Technology	All	
/NK/	F6	WO 02/066005 A1	08-29-2002	Cambridge Biostability Ltd.	All	
	F7					
	F8					
	F9					

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/Nicole Kinsey/

Date  
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Sheet	2	of	3	Attorney Docket Number	GJE-1080

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/NK/	R1	AGUADO, M.T. <i>et al.</i> , "Injectable solid vaccines: a role in future immunization?", <i>WHO Drug Information</i> , 1998, pages 68-69, Vol. 12, No. 2.	
	R2	BOEHM, G. <i>et al.</i> , "On Technological and Immunological Benefits of Multivalent Single-Injection Microsphere Vaccines," <i>Pharmaceutical Research</i> , September 2002, pages 1330-1336, Vol. 19, No. 9.	
	R3	CAMBRIDGE BIOSTABILITY LTD, "Technology Overview: Single Shot Stable Liquid Vaccines and Snapjet Delivery Technology," October 2003, pages 1-30, Retrieved from the Internet: < <a href="http://holdsworth.3ev.com/fileadmin/downloads/overview.doc">http://holdsworth.3ev.com/fileadmin/downloads/overview.doc</a> >	
	R4	GRIBBON, E.M. <i>et al.</i> , "Stabilisation of Vaccines Using Trehalose (Q-T4) Technology," <i>Developments in Biological Standardization</i> , 1996, pages 193-199, Vol. 87.	
	R5	LICALSI, C. <i>et al.</i> , "Dry powder inhalation as a potential delivery method for vaccines," <i>Vaccine</i> , January 1999, pages 1796-1803, Vol. 17, Nos. 13-14.	
	R6	THE NEW TECHNOLOGIES WORKING GROUP OF THE GAVI RESEARCH AND DEVELOPMENT TASK FORCE, "Report Prepared for the Board of the Global Alliance for Vaccines and Immunization (GAVI)," May 30, 2003, pages 1-124, Retrieved from the Internet: < <a href="http://www.vaccinealliance.org/resources/NTWG_global.pdf">http://www.vaccinealliance.org/resources/NTWG_global.pdf</a> >	
	R7	ROSER, B., "Trehalose Drying: A Novel Replacement for Freeze-Drying," <i>Biopharm.</i> , September 1991, pages 47-53, Vol. 4, No. 8.	
	R8	SMITH, D. <i>et al.</i> , "Evaluation of Novel Aerosol Formulations Designed for Mucosal Vaccination Against Influenza Virus," <i>Vaccine</i> , June 2003, pages 2805-2812, Vol. 21, Nos. 21-22.	
	R9	TAMEZ-GUERRA, P. <i>et al.</i> , "Storage stability of <i>Anagrapha falcifera</i> nucleopolyhedrovirus in spray-dried formulations," <i>Journal of Invertebrate Pathology</i> , January 2002, pages 7-16, Vol. 79, No. 1.	
/NK/	R10	WANG, L. <i>et al.</i> , "Basic immunological properties of spray-dried lipid microparticles developed for nasal and systemic administration of vaccines," <i>S.T.P. Pharma Sciences</i> , January 2002, pages 53-61, Vol. 12, No. 1.	

Examiner Signature	/Nicole Kinsey/	Date Considered	01/23/2008
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/NK/	R11	WORRALL, E.E. <i>et al.</i> , "Xerovac: an ultra rapid method for the dehydration and preservation of live attenuated Rinderpest and Peste des Petits ruminants vaccines," <i>Vaccine</i> , 2001, pages 834-839, Vol. 19, Nos. 7-8.	
	R12		
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